

Form C-104
Rev. 02/2009VALUE ENGINEERING CHANGE PROPOSAL
MISSOURI DEPARTMENT OF TRANSPORTATION☒ Conceptual Proposal ☐ Final ProposalDate 2/26/10Contract ID 091218-403Job No. J4S1870County JacksonRt. HOriginal Bid Cost \$1,079,722.29Contractor Chester Bross ConstructionBy Scott GanderDesigned By Adam K. WatsonPhone 573-221-5958VECP# 10-34 (to be completed by C.O.)VECP ☒ or PDVECP ☐

1. Description of existing requirements and proposed change(s). Advantages/Disadvantages

The existing plans show grading the shoulder, placing asphalt 2' wide, placing gravel A or crushed stone B 2' in width outside of the asphalt, and then pulling the material from the shoulder grading up to the gravel A or B. The proposed change would be to place the material from the shoulder grading in lieu of the gravel A or B. The advantage of this change would be the elimination of the gravel A or B which will result in a cost savings to MODOT.

2. Estimate of reduction in construction costs. \$28,319.05

3. Prediction of any effects the proposed change(s) will have on other department costs, such as maintenance and operations.

We feel that this change will not have any effect on other department costs.

4. Anticipated date for submittal of detailed change(s) of items required by Section 104.6 of the Specifications.

2/26/10

(date)

5. Deadline for issuing a change order to obtain maximum cost reduction, noting the effect of contract completion time or delivery schedule.

March 17, 2010

(date)

None

(effect)

6. Dates of any previous or concurrent submission of the same proposal.

N/A

(date and/or dates)

CHESTER BROSS CONSTRUCTION COMPANY



P.O. Box 430
Hannibal, MO 63401


Chester Bross, President
"Equal Opportunity Employer"

Ph: 573-221-5958
Fax: 573-221-1892

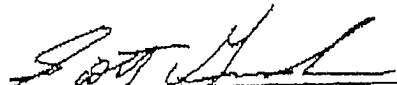
Contract I.D. 091218-403
Job No. J451870
Route H, Jackson County

DATE: 2/25/2010

VECP

<u>Bid Item</u>	<u>Qty</u>	<u>Unit</u>	<u>Bid Price for</u> 	<u>Total</u>
310500Z GRAVEL (A) OR CRUSHED STONE (B)	1,163.00	TN	\$ 24.35	\$ 28,319.05

TOTAL SAVINGS \$ 28,319.05


Project Manager

Additional Comments:

**** Portion Below This Line To Be Filled Out by MoDOT ****

Comments: SEE MEMO

[Signature]
Submitted By Resident Engineer

3-5-10
Date

Comments: IN REVIEW OF THIS PROPOSAL, IT WAS DETERMINED THAT THE END RESULT OF THIS CHANGE WOULD NOT MEET THE INTENT OF THE DESIGN OR BE CONSISTENT WITH ROUTES OF SIMILAR CLASSIFICATION. BOTH LONG TERM MAINTENANCE AND CUSTOMER EXPECTATION WILL BE COMPROMISED.

☐ Approval
Recommended
☒ Rejection
Recommended

Elizabeth A. Velt
District Engineer

4/5/10
Date

Comments:

NOT PROGRAM OVERSIGHT

☐ Approval
Recommended
☐ Rejection
Recommended

Federal Highway Administration
Required for FHWA Full Oversight Projects

Date

Comments:

PROPOSAL IS REJECTED FOR REASONS NOTED BY THE DISTRICT

☐ Approval
☒ Rejection

David D. Coover
State Construction and Materials Engineer

4-13-10
Date

Distribution: Resident Engineer, Project Manager, District Construction & Materials Engineer, State Construction & Materials Engineer, FHWA Value Engineering Administrator - MoDOT, P. O. Box 270, Jefferson City, MO 65102

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February 26, 2010

Mr. Brian K. Iles, P.E., Resident Engineer
MODOT-Richmond Project Office
201 Wollard Blvd.
Richmond, MO 64085

RE: Contract ID 091218-403
Job No. J4S1870
Route H, Jackson County

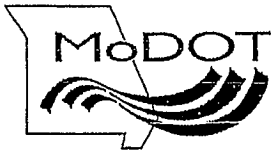
Dear Mr. Iles:

Please find our initial Value Engineering Proposal for the above referenced project. Chester Bross Construction is proposing this change in an effort to offer MODOT a cost savings and to also provide a quality finished product. Please review the proposal and give me a call to discuss any inquiries that you may have.

If you have any questions feel free to call me at (573) 221-5958.

Sincerely,

Scott Gander
Project Manager



MEMORANDUM

Missouri Department of Transportation

Construction
Richmond Project Office

TO: Perry Allen-4co

CC: File

FROM: Brian K. Iles *BKI*
Resident Engineer

DATE: March 5, 2010

SUBJECT: VE Concept Proposal
Job No. J4S1870 (Contract ID 091218-403)
Route H, Jackson County

Attached is a Construction Value Engineering Concept Proposal (VECP) for the above referenced project. Chester Bross Construction proposes eliminating the 2-foot wide Gravel A/Crush Stone B that is to be installed adjacent to the new 2-foot wide A3 shoulder throughout the project. The contractor proposes using the material from the shouldering/subgrading operation for the 2-foot wide shoulder in lieu of the rock. Attached is a copy of the contractor's VECP for review.

Design has indicated that the gravel/crushed stone was included on this project to delay the deterioration or "drop-off" condition. In addition, Design determined there was not enough in-situ material, for all locations along the job, to adequately construct the 2-foot unpaved area.

This office has reevaluated the project site. The existing roadway section is wide enough to provide the 2-foot paved shoulder but there is insufficient room to provide 4-foot shoulders without relocation of the ditch line in several locations. Additionally, there is little to no existing drop-off along the edge of pavement. Therefore, there should be enough in-situ material for shaping along the new 2-foot A3 shoulder.

I recommend the A3 shoulder be constructed per plan using the shoulder/subgrading material, removed as part of the A3 shoulder construction, to finish the slope between the existing ground and A3 shoulder. Thus, I recommend approval of this VECP as Practical Design Value Engineering (75%-MoDOT / 25%-Contractor). The contract savings for the Gravel A/Crushed Stone B is \$28,319.05 (\$21,239.29-MoDOT / \$7,079.76-Contractor).

Feel free to contact this office with any questions or comments.

VALUE ENGINEERING CHECK SHEET

TYPE OF WORK

(Check one that applies)

- ☐ Bridge/Structure/Footings
- ☐ Drainage Structures (RCP, RCB, CMP's, ect.)
- ☐ TCP/MOT
- ☒ Paving (PCCP, ect.)
- ☐ Grading/MSE Walls
- ☐ Signal/Lighting/ITS
- ☐ Misc. _____

SUMMARY OF PROPOSAL

(If needed, condense summary to a couple of lines)

_____ Use existing shoulder material in lieu of planned gravel A or B to bring up shoulder elevation.

SCANNING OF DOCUMENT

If the proposal is large, please mark or make note, which pages need to be scanned into the database. If there are special instructions, make note of them here.

_____ Scan proposal only.